Form PTO 948 (Rev. 8-98)   U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office   Application No. 09/471829

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 12/23/99 are:
A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.
B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be sumitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
Black ink. Color.
____ Color drawings are not acceptable until petiton is granted.
Fig(s) _____
____ Pencil and non black ink not permitted. Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84 (b)
____ 1 full-tone set is required. Fig(s) _____
____ Photographs not properly mounted (must use brystol board or photographic double-weight paper). Fig(s) _____
____ Foor quality (half-tone). Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(e)
____ Paper not flexible, strong, white, and durable.
Fig(s) _____
____ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____
____ Mylar, velum paper is not acceptable (too thin).
Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:
____ 21.0 cm by 29.7 cm (DIN size A4)
____ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
____ All drawing sheets not the same size.
Sheet(s) _____
____ Drawings sheets not an acceptable size. Fig(s) _____
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm
SIZE: A4 Size
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
SIZE: 8 1/2 x 11
Margins not acceptable. Fig(s) _____
_____ Top (T) _____ Left (L)
_____ Right (R) _____ Bottom (B)
6. VIEWS. 37 CFR 1.84(h)
REMINDER: Specification may require revision to correspond to drawing changes.
Partial views. 37 CFR 1.84(h)(2)
____ Brackets needed to show figure as one entity.
Fig(s) _____
____ Views not labeled separately or properly.
Fig(s) _____
____ Enlarged view not labeled separetely or properly.
Fig(s) _____
7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)
____ Hatching not indicated for sectional portions of an object.
Fig(s) _____
____ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
____ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____
9. SCALE. 37 CFR 1.84(k)
____ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.
Fig(s) _____
10. CHARACTER OF LINES, NUMBERS, & LETTERS.
37 CFR 1.84(i)
____ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality).
Fig(s) _____
11. SHADING. 37 CFR 1.84(m)
____ Solid black areas pale. Fig(s) _____
____ Solid black shading not permitted. Fig(s) _____
____ Shade lines, pale, rough and blurred. Fig(s) _____
12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.
37 CFR 1.84(p)
____ Numbers and reference characters not plain and legible.
Fig(s) _____
____ Figure legends are poor. Fig(s) _____
____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)
Fig(s) _____
____ English alphabet not used. 37 CFR 1.84(p)(2)
Figs _____
____ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
Fig(s) _____
13. LEAD LINES. 37 CFR 1.84(q)
____ Lead lines cross each other. Fig(s) _____
____ Lead lines missing. Fig(s) _____
14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
____ Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s) _____
15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
____ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
16. CORRECTIONS. 37 CFR 1.84(w)
____ Corrections not made from prior PTO-948
dated _____
17. DESIGN DRAWINGS. 37 CFR 1.152
____ Surface shading shown not appropriate. Fig(s) _____
____ Solid black shading not used for color contrast.
Fig(s) _____

COMMENTS   Borderline obj. fig. 14A, 14b, 23, 24, 26, 31, 32

REVIEWER _____   DATE 4/5/00   TELEPHONE NO. 308-00 1 1

ATTACHMENT TO PAPER NO. 8

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities--37 CFR 1.85

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Processing Branch.

2. Timing for Corrections

Applicant is required to submit **acceptable** corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable corrections resubmitted within the original three-month period to avoid the necessity of obtaining an extension of time and paying the extension fee. Therefore, applicant should file corrected drawings as soon a possible.

Failure to take corrective action within set (or extended) period will result in **ABANDONMENT** of the Application.

3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than informalities noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

Attachment for PTO-948 (Rev. 03/01, or earlier)
6/18/01

The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities – 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

Timing of Corrections

Applicant is required to submit the drawing corrections <u>within the time period set in the attached Office communication</u>. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.

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